

ALEKSANDROVA, Ye.M.; SHITS, L.A.; LOBACHEVA, S.P.

Effect of certain factors on the aggregative stability of
polysterene latex. Lakokras.mat.i ikh prim. no.2:31-34 '62.
(MIRA 15:5)

(Latex--Testing)

~~LOBACHEVA, S.V.~~

Representatives of the *Toxaster* L. Agassiz genus from the Neocomian
of the Kopet-Dag and Greater Balkhan Range. Trudy VSEGEI 46:
151-174 '61. (MIRA 14:11)

(Kopet-Dag--Sea urchins, Fossil)
(Balkhan Range--Sea urchins, Fossil)

LOBACHEVA, V.M., ordinator

Treating relapsing aphthous stomatitis. Stomatologiya 40 no.3:
9-11 My-Je '61. (MIRA 14:12)

1. Iz kafedry terapevticheskoy stomatologii (zav. - prof. Ye. Ye. Platonov)
Moskovskogo meditsinskogo stomatologicheskogo instituta (dir. - dotsent
G.N. Belatskiy).

(STOMATITIS)

LOBACHEVA, V.M., mladshiy nauchnyy sotrudnik

State of the dentomaxillary apparatus in scleroderma. Stomatologia 42 no.2:18-21 Mr-Apr'63 (MIRA 17:3)

1. Iz nauchno-issledovatel'skogo instituta revmatizma AMN SSSR (direktor - deystvitel'nyy chlen AMN SSSR - prof. A.I.Nesterov) i kafedry terapevticheskoy stomatologii (zaveduyushchiy - prof. Ye.Ye.Platonov) Moskovskogo meditsinskogo stomatologicheskogo instituta.

LOBACHEVA, V.P.; SHCHERBININA, A.P.; KAFAROV, Z.Z.

Printing of white fabrics with substantive turquoise and lightfast
colors. Tekst.prom. 23 no.5:71-72 My '63. (MIRA 16:5)
(Textile printing)

LOBACHEVA, V.P., inzh.-khimik; EPENDIYEVA, M.P., SHCHERBININA, A.P.

Nonwoven fabrics from pure silk wastes. Tekst. prom. 25 no.5:
53-54 My '65. (MIRA 18:5)

1. TSentral'naya nauchno-issledovatel'skaya laboratoriya
Mukhinskogo shelkovogo kombinata (for Lobacheva).

[MIRA 18:5]

LOBACHEVSKAYA, F.P., inzh.-khimik

Rapid method for the identification of synthetic fibers in knit goods by means of color reactions. Tekst.prom. 25 no.2:69-70
F '65. (MIHA 18:4)

1. Institut Belmestpromproyekt.

11 F

LOBACHEVSKAYA, O. V.

DATA ON THE MINERAL CONSTITUENTS OF CARDIAC MUSCLE IN VERTEBRATES. O. V. Lobachevskaya. *Biochem. J. (Ukraine)* 14, 31-35 in Russian, 55-7; in English, 57-8) (1939).—The cardiac muscle contents of K, Na, Ca, Mg, Mn and Fe were detd. in the following animals: frogs, grass snakes, turtles, sparrows, pigeons and marmots. In all animals these substances are arranged in the following series of descending concn.: K, Na, Mg, Ca, Fe and Mn. The abn. values are all lower for cold-blooded inactive animals than in the warm-blooded vertebrates. R. Levine

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

1930M SYNDICATE

1930M HEP ONE ONE

1930M BOWING

1930M ONE ONE ONE

LOBACHEVS'KA, O.V.

Changes in the antigenic specificity of egg albumin during
denaturation. Ukr.biokhim.zhur. 23 no.4:418-438 '51. (MIRA 9:9)

1. Institut biokhimii Akademii nauk URSR, Kiy.
(ALBUMIN) (ANTIGENS AND ANTIBODIES)

LOBACHEVSKAYA, O.V.

Antigen properties of native and denatured forms of egg albumin. Ukrain.
Biokhim. Zhur. 25, No.1, 28-41 '53. (MLRA 6:5)
(CA 47 no.22:12597 '53)

1. Biochem. Inst., Kiev.

L. O. BACHEVSKAYA, O. V.

The immunochemical properties of native and denatured γ -globulin. O. V. Lobachevskaya. *Ukrain. Biokhim. Zhur.* 26, 3-19 (in Russian, 19-20, 1954). Studies were made with serums of rabbits immunized against native γ -globulin and prepur. of γ -globulin denatured with HCl, Na salicylate, heat, and freed from native proteins by repeated pptn. The same proteins and γ -globulin denatured with KP served as test antigens. The anti-native serum as a rule does not react with denatured γ -globulin, pointing to a possible change in the antigenic specificity of the latter. The structural differences between native and denatured γ -globulins are not very sharp, inasmuch as prolonged animal immunization with the native protein produces serum antibodies yielding a noteworthy cross reaction with denatured γ -globulin. The cross reactions of antisera with prepur. of γ -globulin denatured by different methods indicate that in many instances the various forms of this protein differ from one another no less than they differ from native γ -globulin. γ -Globulin denatured by heat or by KP appears to have suffered the greatest structural change. The former evokes antibodies which fail to react with it, yet react with other forms of denatured γ -globulin as well as with the native globulin. It appears that the heat-denatured globulin undergoes further structural changes upon injection into the living organism, resulting in the formation of antibodies nonspecific in relation to the original form of the denatured protein. In the denaturation process of γ -globulin (and ovalbumin) a no. of reaction-centers characteristic of the native protein remain unaffected. Their no., however, is small; hence the occurrence of the characteristic delay in the pptn. reaction with the native protein. Such delay is caused by the blocking effect of the predominating reaction-centers of the denatured protein. The denatured proteins studied possess a greater variety of reaction-centers than do the native proteins (including ovalbumin) which is evidenced by the occurrence of a variety of cross reactions.

B. S. L.)

LOBACHEVSKAYA, O. V.

1
A study of the immunochemical properties of pepsin and of pepsinogen. O. V. Lobachenskaya (Inst. Biochem., Acad. Sci. Ukr. S.S.R., Kiev). *Ukrain. Biokhim. Zhur.* 28, 335-37 (Russian summary, 397-9) (1956); cf. *Ibid.* 27, 418 (1954); *C.A.* 47, 12507; 49, 11916. — A study was made of the immunochemical properties common to native and denatured pepsinogen and pepsin preps. and of properties specific to each of the substances prepd. by different methods. It was noted that highly purified preps. of pepsin, with an enzymic activity within the limits of 0.19-0.28 hemoglobin units/mg. of protein N, prepd. by different methods showed differences in their antigenic properties. Thus, pepsin prepd. from the g. tissue and then purified by various methods showed different antigenic properties.

LCB 4245

which is a
still a
get a
put a
that is

Belitsker, V. A., Kotkova, K. I., Lobachevskaya, O. V. 20-5-28/46
Tsikalovskaya, G. N.

AUTHORS:

TITLE: On the Properties and the Rôle Played by the Disulphide Groups in Serum Albumin (O svoystvakh i znachenii disul'fidnykh grupp v syvorotochnom al'bumine)

PERIODICAL: Doklady AN SSSR, 1957, Vol. 116, Nr 3, pp. 451-454 (USSR)

ABSTRACT: The subject of this treatise was the study of the reactivity of disulphide compositions in serum albumin and the dependence of several protein properties on the decomposition and recreation of these compositions. Crystalline albumin from horse blood serum was used for this purpose. Besides the native kind of protein, the one denatured by urea was examined too (10 mol. urea per 1 liter of protein solution of 6 mol. potassium thiocyanate). The reaction of decomposition by sodium bisulphide was carried out in presence of acetate buffers. The tests by the authors have shown that the reaction of decomposition of the disulphide groups of serum albumin by bi-sulphide proceeds slowly at the beginning for accelerating substantially thereupon. The reaction is accompanied by a general denaturization of the structure. The disulphide groups react only slowly in the initial protein. Due to the decomposition of several disulphide compositions in the molecule, a destabilization of the macro-structure takes place. Further the molecule suffers

Card 1/3

On the Properties and the Rôle Played by the Disulphide Groups 20-5-28/46
In Serum Albumin.

a denaturization-conversion due to which a great number of its disulphide groups are decomposed by bisulphide. In order to verify this explanation the authors previously denaturized the urea and left it untouched during 30 minutes at room temperature. After the addition of bisulphide the reaction set in immediately at full maximum velocity. The number of disulphide groups capable of reaction is not constant in serum albumin. It increases by adding of urea, as well as by the use of newly prepared sodium bisulphide. Under favorable conditions 100% of the groups enter the reaction. The said reaction is partly reversible. By removing the bisulphide by dialysis or by separating the protein from the composition of reaction, a considerable portion of the disulphide groups is newly formed. 20 to 30 % of the sulphhydryl-groups, however, are conserved. The reaction with bisulphide remains irreversible for them. They are incapable of a reaction with their partners, viz. the cystein-sulphon groups. This unequal behavior of the disulphide groups is known for the keratin of the wool. It should be explained by the steric factors. After having used NaCN instead of KCNS as denaturized matter, the authors obtained analogous results. The variation of the macro-structure, however remained irreversible. The egg-albumin exceeds serum albumin clearly by the solidity of the macro-structure, inspite of the

Card 2/3

On the Properties and the Role Played by the Disulphide Groups 20-3-28/46
in Serum Albumin.

presence of only 1 disulphide-composition compared with 17 in serum albumin. Unexpected results were obtained by a verification of the chemically immune specificity of serum albumin which after decomposition of the disulphide compositions was dialysed. The ring-precipitation-reaction ("reaktsiya kol'tsepretsipitatsii") between this protein and serum of rabbit was positive and is not inferior to that with native protein in respect to intensity. The irreversible conversion did not act on those sections of the macro-structure which determine the antigen properties of serum albumin. Concluding, several statements made by Gorbacheva, Bresler and Frenkel', in a paper which was published short time prior to the impression, of this paper are commented in negative sense. There are 1 figures, 1 table, and 10 references, 5 of which are Slavic.

ASSOCIATION: Institute for Biology of AN Ukrainian SSR (Institut biologii AN USSR)
PRESENTED: June 17, 1957, by A. V. Palladin, Academician
SUBMITTED: June 1, 1957
AVAILABLE: Library of Congress

Card 3/3

LOBACHEVSKAYA, O.V. [Lobachevs'ka, O.V.]; TSARYUK, L.A.

Physicochemical properties of iodinated egg albumin. Ukr.
biokhim.zhur. 31 no.3:383-392 '59. (MIRA 12:9)

1. Institute of Biochemistry of the Academy of Sciences of
the U.S.S.R., Kiev.
(ALBUMIN) (IODINE)

BELITSER, V.O. [Bielitser, V.O.]; LOBACHEVSKAYA, O.V. [Lobachevs'ka, O.V.]

Amperometric titration of mercapto groups with silver nitrate. Ukr.
biokhim.shur. 31 no.4:579-588 '59. (MIRA 13:1)

1. Institute of Biochemistry of the Academy of Sciences of the
Ukrainian S.S.R., Kiev.
(CONDUCTOMETRIC ANALYSIS) (MERCAPTO GROUP) (SILVER NITRATE)

LOBACHEVSKAYA, O.V. [Lobachevs'ka, O.V.]

Effect of iodination on the stability of the macrostructure of
egg albumin. Ukr.biokhim.zhur. 31 no.6:799-806 '59.

(MIRA 13:5)

1. Institut of Biochemistry of the Academy of Sciences of the
Ukrainian S.S.R., Kiev.

(ALBUMIN)

(IODINATION)

LOBACHEVSKAYA, O.V. [Lobachevs'ka, O.V.]

Reaction of sulfhydryl groups of egg albumin with iodine. Ukr.
biokhim. zhur. 32 no.4:516-529 '60. (MIRA 13:9)

1. Institut biokhimii AN USSR, Kiyev.
(IODINE) (MERCAPTO GROUP) (ALBUMINS)

LOBACHEVSKAYA, O. V., BELITSER, V. A. (USSR)

"Reactivity of SH-Groups in Ovalbumin, Suspended in Polar
and Non-Polar Media."

Report presented at the 5th International Biochemistry Congress,
Moscow, 10-16 August 1961

BELITSER, V.A. ^{ak} akademik; LOBACHEVSKAYA, O.V.

Partial transformation of sulfhydryl groups of ovalbumin into
intramolecular disulfide bonds. Dokl. AN SSSR 137 no.5:1226-
1229 Ap '61. (MIRA 14:4)

1. Institut biokhimi AN SSSR. (Mercapto group)
2. AN USSR (for Beltiser). (Albumin)

LOBACHEVSKIY, B.

Hydraulic valve. Stroitel' no.10:26 0 '61.
(Valves)

(MIRA 14:11)

LOBACHEVSKIY, B.G., inzhener; NOSACHEV, I.P., inzhener.

Water insulation in rapid pipeline construction. Transp.stroi.
6 no.6:29 Je '56. (MIRA 9:9)
(Pipe, Concrete)

LOBACHEVSKIY, G. (Zhitomir)

New measuring devices. Radio no.10:55-56 0 '63.
(MIRA 16:11)

LOBACHEVSKIY, G., inzh. (Zhitomir); YANCHENKO, S., inzh. (Zhitomir)

Transistorized measuring device. Radio no.9:41-42 S '64.
(MIRA 17:12)

PHASE I BOOK EXPLOITATION SOV/1018

Abstracts from Belorussian SSR. Priblno-tekhnicheskii Institut
Sovetskoi nauki i tekhnologii, V.P. 5 (Collected Scientific Papers of the
Institute of Engineering Physics, Academy of Sciences of the Belorussian
SSR, No. 5) Minsk, Izdatel'stvo BNTSR, 1959. 235 p. Extra slip
inserted. 1,100 copies printed.

Ed. of Publishing House: L. Martis; Tech. Ed.: I. Vojtkunovich;
Editorial Board: V.P. Seredenko, Academician, Academy of Sciences
USSR (Belorussian SSR), L.V. Goryunov, Academician, Academy of Sciences
USSR, M. S. Goryunov, Candidate of Technical Sciences, and
P.A. Fedotkin, Candidate of Technical Sciences.

REMARKS: This book is intended for technical personnel and science
literary workers.

- CONTENTS: This collection of 23 articles covers the following
subjects: small-scale impact analysis of wire-drawing, design
of drop-forming dies, impact upsetting, examination of the effect
of temperature on plastic deformation, sublimation and sintering
processes, the phenomena of pulse-discharge, etc. *Investigations*
Seredenko, V.P., V.P. Goryunov, and M.P. Kozlovskiy. Small-
scale drop-forming dies and design elements of small-scale dies
for forming bodies of revolution 66
- Seredenko, V.P., V.P. Goryunov, and A.V. Pashkov. Effect of
the flash-onset shape on the life of dies 70
- Seredenko, V.P., V.P. Goryunov, and M.P. Kozlovskiy. On the
size of flash in drop-forming dies 77
- Pashkov, A.V. Determination of accelerations and forces in
impact upsetting 84
- Pashkov, A.V. Efficiency of impact in upsetting steel blanks
with various flash-to-weight ratios on a vertical upsetting
machine 90
- Pashkov, A.V. Measuring bulk pressures in the die cavities
by the acoustic method 94
- Pashkov, A.V. Resistance of steel to deformation at close-to-
normal temperatures 99
- Pashkov, A.V. Effect of temperature and rate of strain
on the mechanical properties of silver chloride 113
- Goryunov, L.V., L.A. Goryunov, and P.D. Papisov. Neutralization
of lead in brass alloy [Soyuzmetall, 1959, No. 16, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000] 120
- Goryunov, L.V., and S.L. Lavrentiev. Sublimation in liquid metals 126
- Goryunov, L.V., T.A. Kozlovskiy, M.N. Kuznetsov, and T.S. Pavlovskaya. Effect of gas-liquid interface on the mechanical properties and composition of the metal, zirconium and zirconium alloys 133
- Kozlovskiy, M.N., T.A. Kozlovskiy, S.L. Lavrentiev, and V.I. Pavlovskiy. Investigation of the mechanism of copper with high-frequency current heating 147
- Kozlovskiy, M.N. Methods for development of new processes in metallurgical technology of metals 158
- Kozlovskiy, M.N., and T.A. Kozlovskiy. Investigation of surface quality in vacuum casting of castable alloys 178
- Kozlovskiy, M.N., and M.N. Kozlovskiy. Examination of a low-voltage pulse discharge by the method of time scanning of light-
ing of small portions of the discharge zone 189
- Kozlovskiy, M.N., and M.N. Kozlovskiy. On the mechanism of
phenomena (occurring) on electrodes during electric pulse discharges
in the air at atmospheric pressure 199
- Kozlovskiy, M.N., and M.N. Kozlovskiy. On phenomena (occurring)
on electrodes in electric pulse discharges through a thin metal
film 210
- Kozlovskiy, M.N. Dependence of electro-erosion effect [on electrodes] 213
on conditions of electric discharge
- Kozlovskiy, M.N. Problems in the accuracy of magnetic spectro-
scopy 223
- Kozlovskiy, M.N., and I.S. Kozlovskiy. Investigation of the
oxidation of brass with rotary ball mill 230

1100

23267

S/123/61/000/005/007/017
A004/A104

AUTHORS: Konovalov, Ye. G., Lobachevskiy, I. S.

TITLE: Investigating the process of hole machining by rotary mandrels

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye, no. 5, 1961, 71, abstract
5B634. (Sb. nauchn. tr. Fiz.-tekhn. in-t, AN ESSR, 1959, no. 5,
230-235)

TEXT: The authors describe the design and tests of rotary mandrels for the finish machining of internal cylindrical surfaces without removal of chips. The investigation was carried out on specimens of the steel grades 15, 20, 35 and 45 in holes which were reamed by a 1 : 200 tapered reamer, so that the allowance on the diameter continuously varied from 0 to 0.2 mm. The mandrel diameter was 50 mm, the ball diameter 9.5 and 12.7 mm respectively. The investigation showed that the optimum allowance is in the range of 0.08 - 0.1 mm. The surface finish is in the range of the 9th class. There is 1 figure and 6 graphs.

S. Livshits

[Abstractor's note: Complete translation]

Card 1/1

KONOVALOV, Ye.G.; AVRUTIN, A.M.; SIDORENKO, Yu.A.; LOBACHEVSKIY, I.S.

Machining holes by rotary mandrels. Stan. 1 instr. 30 no.1:29-30

Ja '59.

(MIRA 12:1)

(Drilling and boring machinery)

Study
LOBACHEVSKIY, I. S., CAND TECH SCI, "INVESTIGATION OF
the THE TECHNOLOGICAL PROCESS OF FINISHING INTERIOR CYLINDRICAL
tion SURFACES BY THE METHOD OF ROTARY CALENDERING." MINSK, 1961.
(ACAD SCI BSSR. DEPT OF TECH SCI). (KL-DV, 11-61, 220).

-160-

41998
S/571/61/000/007/010/010
I048/I248

11730

AUTHORS: Konovalov, Ye.G., and Lobachevskiy, I.S.

TITLE: An investigation of the depth of the strain-hardened layer and the wear-resistance of the hardened surface after rotary ball-burnishing of internal cylindrical surfaces

SOURCE: Akademiya nauk Belaruskay SSR. Fiziko-tekhnicheskii institut. Sbornik nauchnykh trudov. no.7. 1961. 200-203

TEXT: Rotary ball-burnishing is a new cold-working process producing plastic deformation in metallic surfaces with a consequent increase in hardness; the process is described in the book "Rotatsionnoe dornirovanie", by the same authors, published by the BSSR Academy of Sciences, 1959. The depth of the strain-hardened layer produced is practically independent of variations in the rate of burnishing within the range 50-500 m./min., and increases slightly with a decreased ball diameter. The maximum depth produced under optimum conditions is 1.9-2.2 mm. in steel Cm-15

Card 1/2

KARASEV, M.F.; LOBACHEVSKIY, L.V.; TUKTAYEV, I.I.

Composite brushes of d.c. machines. Trudy TEIIZHT 35:13-36 '62.
(MIRA 16:8)
(Brushes, Electric) (Electric machinery--Direct current)

LOBACHEVSKIY, N. I.

"The Algebra or Calculations of Finites," Uspekhi Matemat. Nauk, 1, No. 1, 1946.

Report U-1493, 27 Sep 1951

10 RACHFVSKIY N T

"Lone Star" 2

Source: Mathematical Reviews

LOBACHEVSKIY, N. I.

Mathematical Reviews.
Vol. 14 No. 7
July - August, 1953
History

*Yanovskaya, S. A. Peredovye idei N. I. Lobachevskogo—
orudie bor'by protiv idealizma v matematike. [The
leading ideas of N. I. Lobachevskii—a combat weapon
against idealism in mathematics.] Izdat. Akad. Nauk
SSSR, Moscow-Leningrad, 1950. 83 pp.

1. L. A. SHEVSKIY, N. I.

• L. A. SHEVSKIY, N. I. (Moscow, U.S.S.R.)

• L. A. SHEVSKIY, N. I. (Moscow, U.S.S.R.)

Journal of Mathematical Reviews,

Vol 10 No 1

"APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R000930320004-0

APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R000930320004-0"

LOBACHEVSKIY, N. I.

Physics and Mathematics(Complete works: Vol. 2 and 3), Sovetskaya Kniga (Soviet Books), 128 p., Pravda Publ. House, 1952.

1. LOBACHEVSKIY, N.I.
2. USSR (600)
4. Dubiago, A.D.
7. "Total solar eclipse in Penza, July 21, 1842"; N. I. Lobachevskiy "N.I. Lobachevskiy's trip to Penza to observe the solar eclipse of 1842"; A.D. Dubyago, Reviewed by S.N. Korytnikov, Astron, zhur. 30 no. 2, 1953.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

С. 1 - 1

1-f

★ Жуковская, Н. Н. (1904-1974) — математик.

geometry (1955). His last work ...
The book contains ...
an extensive commentary by V. F. Kagan has been added.

Н. Н. Жуковская

LOBACHEVSKIY, Nikolay Ivanovich, akademik; ALEKSANDROV, P.S., akademik,
redaktor; DELONE, B.N., redaktor; RASHEVSKIY, P.K., redaktor;
GUROV, K.P., redaktor izdatel'stva; KISELEVA, A.A., tekhnicheskii
redaktor

[Selected works on geometry] Izbrannye trudy po geometrii. Red.
P.S.Aleksandrova, 1 dr. Moskva, Izd-vo Akademii nauk SSSR, 1956.
595 p. (MLRA 9:11)

1. Chlen-korrespondent AN SSSR (for Delone)
(Geometry)

LOBACHEVSKIY, P. Ya., Cand Tech Sci -- (diss) "Research into the process of batch sowing of corn by the disc apparatus of a square cluster planter." Rostov-na-Don, 1960. 15 pp; (Ministry of Higher and Secondary Specialist Education RSFSR, Rostov-na-Don Inst of Agricultural Machine-Building); 175 copies; price not given; (KL, 26-60, 136)

LOBACHEVSKIY, P.Ya., inzh.

Calculating the rate of feeding for the seeding apparatus
of checkrow planters. Trakt.i sel'khoz mash. no.1:23-24
Ja '60. (MIRA 13:4)

1. Azovo-Chernomorskiy institut mekhanizatsii sel'skogo
khozyaystva.
(Planters(Agricultural machinery))

PAVLOV, A.; PAKHOMOV, K.; LOBACHEVSKIY, S.; SOTNIKOV, B.; KALININ, P.

People of the seven-year plan. Stroitel' no.2:10-11 P '60.
(MIRA 13:5)

1. Nachal'nik otдела truda i zarplaty tresta Magnitostroy
(for Sotnikov). 2. Nachal'nik Nauchno-issledovatel'skogo
sektora tresta Magnitostroy (for Lobachevskiy). 3. Brigadir
kompleksnoy brigady konechnoy produktsii tresta Mosstroy-17
(for Kalinin).

(Construction workers)

LOBACHIK, A.P., starshiy metodist; KAZHICHKIN, A.P., glavnyy zootekhnik;
KLETCHENKO, A.V., redaktor; BALLOD, A.I., tekhnicheskiy redaktor

[The "Sheep Breeding" pavilion; a guidebook] Pavil'on "Ovtsevodstvo";
putevoditel'. Moskva, Gos. izd-vo selkhoz. lit-ry, 1956. 23 p.
(MLRA 9:12)

1. Moscow. Vsesoyuznaya sel'skokhozyaystvennaya vystavka, 1954-
(Moscow--Sheep breeding--Exhibitions)

LOBACHIK, N., ekonomist

Operating efficiency of diesel motortrucks having two trailers.
Avt. transp. 36 no.3:20-21 Mr '58. (MIRA 11:3)

1. Avtobaza No.5 Upravleniya avtotransporta Magadanskogo sovnarkhoza.
(Automobile trains)

LOBACHOVA, N.B.

Thermocatalytic conversion of paraffin and ceresin in connection
with the problem of their genesis. Trudy VNIGRI no.155:213-233
'60. (MIRA 14:1)

(Paraffins)

(Ceresin)

(Petroleum geology)

GERLING, E.K.; LOBACH-ZHUCHENKO, S.P.; BORISENKO, N.F.

New data on the absolute age of the Jotnian of the Baltic Shield.
Dokl. AN SSSR 166 no.3:674-677 Ja '66.

(MIRA 19:1)

1. Laboratoriya geologii dokembriya AN SSSR. Submitted October 13, 1965.

LOBADEANU, M., ing.

Knowledge of the physical and chemical properties of bitumens,
a factor in improving the asphalt mixtures. Rev transport 9
no. 2:61-66 F '62.

LOBADEANU, Marcel, ing.

Cationic emulsions in road constructions. Rev transport 9
no. 11: 466~~nd~~471 N '62.

LOBADEANU, Marcel, ing.

Use of bituminous covers as stone packings and mattresses for
river bank protection. Rev transport ll no. 5:196-206 My '64.

4544 Rekonstruktsiya Vreshch Ayushchi Khsya Pechey Na odol'skom Tsementnom. Favode. M.,
Promstroyifdat, 1954. 50 p. S Chert.; 20 SM. (Novatory Prom-sti Stroit. Materialov.) 2,000 EKZ
1 R 20K. (55-152) P 666.94.041-77

Kovalenko, K.A. Ustroystvo Dlya Mekhanicheskoy Podachi Dosok na Tsiricul'nuyu Pilu.-
(T.B. Nonesova, Mekhanizm Dlya

CA LOBAKHINA, O. S.

7

Use of chloramine in quantitative analysis. I. S. A. Repts and O. S. Lobakhina (Moscow Pharm. Inst.) *Zhur. Anal. Khim.* 6, 38-42 (1951). The oxidative properties of chloramine-T are reviewed. It can be used as oxidant in any mineral acid except HNO_3 . When the excess of the chloramine is detd. by back titration, it is preferable to use H_2SO_4 , H_3PO_4 , or AcOH rather than HCl to prevent loss of Cl^- . Al. Hosh

LOEAKHINA, S S

U S S R .

Characteristic chromatographic reaction for glucose and acetone. M. M. Bloch, *J. Anal. Chem. U.S.S.R.* 10, 57-58 (1955) (Engl. translation).
Several procedures are described for the detection of glucose and acetone by paper chromatography. The procedures are intended primarily for detecting the 2 substances in urine. Three kinds of paper were used: chromatographic, ordinary filter paper, and ashless filter paper. By one procedure, on the paper place 2 drops of analysis soln., on top of it 1 drop of Cit. citrate reagent, then 4-5 drops of developer (H₂O, alc., or acetone), and dry the paper for 3 min. at 100°. On the paper appeared colored concentric bands seen in daylight as well as under a quartz lamp. By another procedure, place on the paper 2 drops of glucose soln., 1 drop of 10% NaOH soln., 1 drop of 1% CuSO₄ soln., and dry the paper for 2-5 min. at 100°. This too produced a chromatogram. In tests for acetone, place 2 drops of soln. on paper, then 1 drop of 85% fufural soln. in alc., and 1 drop of 10% NaOH. Dry the paper at 100° and place a drop of concd. HCl in the center of the spot. A bright-red color indicated the presence of acetone. Under a quartz lamp up to 8 bands could be seen; no such bands are seen in the absence of acetone. The same test was made with a SiO₂-gel column and passing through it 2 ml. of soln. being tested, 2 ml. fufural soln., 2 ml. NaOH, and 2 ml. HCl. Acetone was also detected with Na₂Fe(NO₂)₆, in which case 2 drops of soln. on paper is followed by 1 drop of 10% soln. of the reagent, 1 drop of 10% NaOH, and 1 drop of glacial AcOH. This test too was carried out on a SiO₂-gel column. Also in *J. Anal. Chem. U.S.S.R.* 10, 57-58 (1955) (Engl. translation). M. Bloch

SHEMYAKIN, F.M., LORAKHINA, O.S.

Possibility of determining urea, uric acid, proteins, tyrosine, bilirubin, urobilin by the chromatographic method. Sbor. nauch. rab. MFI 2:70-73 '59. (MIRA 14:1)

1. Kafedra analiticheskoy khimii (zav. - prof. F.M. Shemyakin)
Moskovskogo farmatsevticheskogo instituta,
(CHROMATOGRAPHIC ANALYSIS)
(URINE ANALYSIS AND PATHOLOGY)

SHEMYAKIN, F.M.; LOBAKHINA, O.S.

Method for the luminescence analysis of urine on chromatograms,
Sbor. nauch. rab. MFI 2:73-82 '59. (MIRA 14:1)

1. Kafedra analiticheskoy khimii (zav. - prof. F.M. Shemyakin)
Moskovskogo farmatsevticheskogo instituta.
(URINE ANALYSIS AND PATHOLOGY)
(LUMINESCENCE)

SHEMYAKIN, F.M.; BOGDANOVA, V.N.; LOBAKHINA, O.S.

Use of chromatography in pharmaceutical analysis. Apt.delo
8 no.4:83-90 J1-Ag '59. (MIRA 12:10)
(CHROMATOGRAPHIC ANALYSIS) (PHARMACY)

BELOV, S.P.; DEMIN, V.P.; KAZANSKIY, Yu.A.; LOBAKOV, A.P.; POPOV, V.I.

Secondary gamma-radiation coefficients for aluminum, copper, and tungsten. Atom. energ. 19 no.5:452-453 N '65. (MIRA 12:12)

EXCERPTA MEDICA Sec. 7 Vol. 9/10 Oct. 55

LOBAN, K. M.

2100. LOBAN K. M. Med. Inst. Stalin, Moscow. *Functional disturbances of the stomach and their origin in dysentery (Russian text) TER. ARKH. 1954, 26/5 (41-47) Tables 1

In dysentery in the acute and still more in the active chronic form the secretory and, even more, the motoric functions are disturbed. Hypacidity and decreased motoric activity prevail. The findings in 100 acute and 72 chronic cases indicate that these disturbances have a functional neuroreflex basis. They are reversible with the cure of dysentery. Najman - Rijeka (XX, 6)

Loban, K.M.

✓ Influence of antibiotics on immunological processes and prophylaxis of the organism against Rickettsia during typhus infection. K. M. Loban and E. P. Savitskaya (I. V. Stalin 2nd Med. Inst., Moscow). Zhur. Mikrobiol., Epidemiol., i Immunobiol. 27, No. 8, 102-7(1958).—Biomycin and synthomycin are effective therapeutic agents for typhus. Tests following antibiotic treatment of typhus patients revealed that formation of immune bodies occurred during the antibiotic treatment. I. A. Stekol

2/

7/11/58

(Clinical of Infectious Diseases)

LOBAN, K.M.; SAVITSKAYA, Ye. P.

"Antibiotics in Treatment of Typhus,"

p. 388 Ministry of Health USSR Proceedings of the Second All-Union Conference on Antibiotics, 31 May - 9 June 1957. p. 405, Moscow, Medgiz, 1957.

LOBAN, K.M.

LOBAN, K.M.

~~Some epidemiological and clinical features of hemorrhagic
nephrosonephritis. Zhur.mikrobiol.epid. i immun., supplement for
1956:32-33 '57 (MIRA 11:3)~~

1. Iz kliniki infektsionnykh bolezney II Moskovskogo meditsinskogo
instituta imeni I.V.Stalina.
(EPIDEMIC HEMORRHAGIC FEVER)

USSR/Pharmacology and Toxicology. Muscle Relaxants.

V

Abs Jour: Ref Zhur-Biol., No 19, 1958, 89867.

Author : Loban, K.M.

Inst : Second Moscow Medical Institute.

Title : Use of Curariform Agents in the Complex Therapy of Patients with Tetanus.

Orig Pub: Uch. zap. 2-y Mosk. med. in-t, 1957, 7, 35-39.

Abstract: Observations were carried out on 3 patients with post-traumatic generalized tetanus. The patients received condelphine (I) together with the complex treatment (anti-tetanus serum of Besredka, magnesium sulfate, chloral hydrate 2-4 g in 24 hours) in doses of 25 mg per day during the first 4 days, and later in doses of 5 mg four times daily. The course of therapy lasted 12-15 days. The total dose of I was 1.5

Card : 1/2

V-22

LOBAN, K.M., dots.

Treatment of tetanus [with summary in English]. Khirurgia 34
no.9:91-99 S '58. (MIRA 12:4)

1. Iz kafedry infektsionnykh bolezney (zav. - chlen-korrespondent
AMN SSSR A.F. Bilibin) II Moskovskogo gosudarstvennogo meditsinsko-
go instituta imeni N.I. Pirogova.
(TETANUS)

LOBAN, K.M.; KRASNOGOLOVETS, V.N.

Conjunctival eruption and its diagnostic significance in typhus.
Sov.med. 23 no.9:66-70 S '59. (MIRA 13:1)

1. Iz kliniki infektsionnykh bolezney (zav. - chlen-korrespondent
AMN SSSR prof. A.F. Bilibin) II Moskovskogo meditsinskogo instituta
imeni N.I. Pirogova.
(TYPHUS diag.)
(CONJUNCTIVA dis.)

LOBAN, K.M., dotsent

New data on the use of curarelike substances in the combined therapy of tetanus. Sov.med. 23 no.10:81-88 0 '59. (MIRA 13:2)

1. Iz kliniki infektsionnykh bolezney (zaveduyushchiy - chlen-korrespondent AMN SSSR prof. A.F. Bilibin) II Moskovskogo meditsinskogo instituta imeni N.I. Pirogova.

(TETANUS therapy)

(MUSCLE RELAXANTS therapy)

BILIBIN, A.F., prof.; LOBAN, K.M., dots. (Moskva)

Treatment of Botkin's disease (epidemic hepatitis) with glucose and insulin [with summary in English]. Klin.med. 37 no.1:95-101 Ja '59.
(MIRA 12:3)

1. Iz kliniki infektsionnykh bolezney (sav. - chlen-korrespondent
AMN SSSR prof. A.F. Bilibin) II Moskovskogo meditsinskogo instituta
imeni N.I. Pirogova.

(HEPATITIS, INFECTIOUS, ther.

glucose & insulin, intravenous admin. (Rus))

(GLUCOSE, ther. use

infect. hepatitis, with insulin, intravenous
admin. (Rus))

(INSULIN, ther. use

infect. hepatitis, with glucose, intravenous
admin. (Rus))

LOBAN, Konstantin Mikhaylovich; ANTONOV, B.N., red.; KUZ'MINA, N.S.,
tekhn. red.

[Typhus fever; clinical aspects, diagnosis, treatment] Synnoi
tif; klinika, diagnostika, lechenie. Moskva, Medgiz, 1960.
221 p. (MIRA 15:1)

(TYPHUS FEVER)

BILIBIN, A.F.; LOBAN, K.M.; ALYMOV, A.Ya.; GROMOVA, Ye.A.; KRYZHANOVSKIY, G.N.

Means of expedient tetanus treatment. Nauch. inform. Otd.
nauch. med. inform. AMN SSSR no. 1:6-8 '61 (MIRA 16:11)

1. Institut normal'noy i patologicheskoy fiziologii (direktor
deystvitel'nyy chlen AMN SSSR prof. V.V. Parin) AMN SSSR, Moskva.

*

LOBAN, K.M., dotsent

Typhus fever; clinical aspects, diagnosis, and treatment. Med.
sestra 20 no.6:14-19 Je '61. (MIRA 14:7)

1. Iz kliniki infektsionnykh bolezney II Moskovskogo gosudarstvennogo
meditsinskogo instituta imeni N.I.Pirogova.
(TYPHUS FEVER)

LOBAN, K.M., dotsent

Ourariform and neuroplegic drugs in the compound treatment of
tetanus. Khirurgiia no.11:89-92 '61. (MIRA 14:12)

1. Iz kafedry infektsionnykh bolezney (zav. - deystvitel'nyy
chlen AMN SSSR prof. A.F. Bilibin) II Moskovskogo gosudarstvennogo
meditsinskogo instituta imeni N.I. Pirogova.
(TETANUS) (CURARELIKE SUBSTANCES) (MUSCLE RELAXANTS)

KRYZHANOVSKIY, G.N.; LOBAN, K.M.; D'YAKONOVA, M.V.; NEVITSKIY, L.A.
(Moskva)

Use of antitetanus serum in treating tetanus. Klin.med. no.3:
68-75 '62. (MIRA 15:3)

1. Iz laboratorii infektsionnoy patologii (zav. - chlen-korrespondent AMN SSSR prof. A.Ya. Alymov) Instituta normal'noy i patologicheskoy fiziologii (dir. - deystvitel'nyy chlen AMN SSSR prof. V.V. Parin) AMN SSSR i kafedry infektsionnykh bolezney (zav. - deystvitel'nyy chlen AMN SSSR prof. A.F. Bilibin) II Moskovskogo meditsinskogo instituta.
(TETANUS) (TETANUS ANTITOXIN)

POPOVA, L.M.; LOBAN, K.M.; DUBROVSKAYA, V.F.; NAUMENKO, Yu.I. (Moskva)

Use of curarelike preparations in combination with endotracheal respiration in severe forms of tetanus. Klin.med. no.3:75-80 '62. (MIRA 15:3)

1. Iz otdeleniya neyroinfektsiy (zav. - prof. A.A. Khondkarian) Instituta nevrologii AMN SSSR (dir. - prof. N.V. Kononov) na baze 1-y klinicheskoy infektsionnoy bol'nitsy (glavnyy vrach N.G. Zeleskver), kafedry infektsionnykh bolezney (zav. - prof. A.F. Bilibin) II Moskovskogo meditsinskogo instituta.
(TETANUS) (ARTIFICIAL RESPIRATION)
(CURARELIKE SUBSTANCES)

LOBAN, K.M.; MARKOVA, Ye.A.

Diagnostic significance of the heterohemagglutination reaction in infectious hepatitis. Zhur.mikrobiol.epid.i immun. 33 no.5:108-111 My '62. (MIRA 15:8)

1. Iz kliniki infektsionnykh bolezney II Moskovskogo meditsinskogo instituta imeni N.I.Pirogova.
(HEPATITIS, INFECTIOUS) (BLOOD---AGGLUTINATION)

SAKHAROV, P.I., dotsent (Moskva); LOBAN, K.M., dotsent (Moskva)

"Problems of infectious and invasion diseases." Reviewed by
P.I.Sakharov and K.M.Loban. Zdravookhranenie 5 no.3:63-64
My-Je '62. (MIRA 16:1)
(COMMUNICABLE DISEASES) (MEDICAL PARASITOLOGY)

LOBAN, K.M., dotsent

Tetanus and its early diagnosis. Fel'd. i akush. 28 no.6:
27-31 Je'63. (MIRA 16:8)

1. Iz Moskovsko_o meditsinskogo stomatologicheskogo instituta.
(TETANUS)

LOBAN, K.M., dotsent

Therapeutic use of curarelike and neuroplegic substances in
tetanus. Vrach. delo no.6:90-93 Je'63. (MIRA 16:9)

1. Kafedra infektsionnykh bolezney (zav. - deystvitel'nyy
chlen AMN SSSR, prof. A.F.Bilibin) Vtorogo Moskovskogo
meditsinskogo instituta imeni N.I.Pirogova.
(TETANUS) (CURARELIKE SUBSTANCES) (CHLORPROMAZINE)

LOBAN, K.M.

Therapeutic doses of condelphine in tetanus. Farmakol. toksik.
26 no.3:297-300 My-Je'63 (MIRA 17:2)

1. Kafedra infektsionnykh bolezney (zav. - deystvitel'nyy chlen
AMN SSSR prof. A.F. Bilibin) II Moskovskogo meditsinskogo insti-
tuta imeni N.I. Pirogova.

GROMOVA, Ye.A.; LOBAN, K.M.; ROMANOVA, G.A.

Mechanism of the action of condeipaine in tetanus. Farmakol.
toksik. 26 no.3:401-406 My-Fe'83 (MIRA 17:2)

1. Laboratoriya infektsionnoy patologii (zav. - chlen-korrespon-
dent AMN SSSR prof. A.Ya. Aigmer) Instituta normal'noy i patologii-
cheskoy fiziologii AMN SSSR i kafedra infektsionnykh bolezney
(zav. - deyatvitel'nyy chlen AMN SSSR prof. A.F. Bilinin) II
Moskovskogo meditsinskogo instituta imeni N.I. Pirogova.

LOBAN, Konstantin Mikhaylovich; ANTONOV, B.N., red.

[Treatment of tetanus patients] Lechenie bol'nykh
stolbniakom. Moskva, Meditsina, 1965. 226 p.
(MIRA 18:2)

LOBAN, K.M.; POLOZOK, Ye.S.

Clinical aspects and treatment of malaria. Sov.med. 28 no.12:95-100 D '65. (MIRA 18:12)

1. Klinika infektsionnykh bolezney (zav. - prof. K.M.Loban)
Universitet druzhby narodov imeni Patrisa Lumumby i Moskovskaya Gorodskaya klinicheskaya infektsionnaya bol'nitsa Nr.2
(glavnyy vrach A.M.Pyl'tsova).

1ST AND 2ND ORDERS		PROCESSES AND PROPERTIES INDEX		3RD AND 4TH ORDERS	
4975. BLOWING OUT HEATING SURFACES OF BOILER INSTALLATIONS. Lobanchenko, N. G. (Za Ekon. Topliva (Fuel Econ.), 1950, (2), 17-23). Illustrated description of steam blast and air blast cleaning devices, and advice as to selection and use. (L).					
ASSN-SLA METALLURGICAL LITERATURE CLASSIFICATION					
SEARCHED MAP ONLY ONE					
SELECTED					

LOBANCHENKO, N. G.

Guliaev, M. A.

Steam-blast cleaning of heating surfaces of boiler units. Moskva, Gos. energ. izd-vo,
1952. 155 p. (54-35070)

TJ390.L58

8(5)

SOV/91-59-6-6/33

AUTHORS: Rozhok, V.D., Technician, and Lobanchenko, N.G.,
Engineer

TITLE: The Elimination of Sources of Erosion of Iron and
Copper

PERIODICAL: Energetik, 1959, Nr 6, pp 10-11 (USSR)

ABSTRACT: In a power station constructed in 1954-56 one boiler
had to be put out of operation toward the end of
1956 due to the development of honeycombs on the
baffle pipes. Examination revealed the presence of
deposits of iron (72%) and copper oxides (5.5%).
It was found that the principal source of oxides
were the lower tanks and the drainage tanks, wherein
the iron content reached 0.8mg per liter. The pre-
sence of free carbonic acid, at a low pH value was
an additional factor in the formation of iron oxide
deposits. A sulpho-carbon filter was installed at
the tanks' outlets. It was 1 m high, 3 m above the

Card 1/3

SOV/91-59-6-6/33

The Elimination of Sources of Erosion of Iron and Copper

tank, comprising 2.3 m³ of sulpho-carbon (see Figure 1). Thereupon the content of salts in the water dropped by 90%, of iron by 35% and of copper by 86%. On an average, the filter sufficed for 1 month. Its regeneration was made with the use of sodium chloride. Caustic soda was fed into the intake of pumps on the way from the auxiliary to the main deaerators. These and a series of other measures have considerably improved the operational regime, yet, even though to a lesser extent, the development of deposits of iron on the baffle pipes continued. This was due to great thermal stresses experienced by the baffle pipes at maximum load and because of a still high content of carbonic acid (up to 0.7 mg per liter) in feed water. The authors recommend that every new power plant always has a sufficient supply of condensate and desalted water, to protect every possible point of iron erosion by protective coating and to use filters.

Card 2/3

SOV/91-59-6-6/33

The Elimination of Sources of Erosion of Iron and Copper

In the authors' opinion, new boilers, prior to being put into operation, should be washed not with an alkaline, but with an acid solution. There is 1 diagram.

Card 3/3

8 (6)

SOV/91-59-11-3/27

AUTHOR: Lobanchenko, N.G., Engineer, Rozhok, V.D., Technician
TITLE: The Adjustment of the Water Circulation of a High Power Plant
PERIODICAL: Energetik, 1959, Nr 11, pp 7-10 (USSR)

ABSTRACT: The authors report on the work performed for adjusting water circulation of a new, unidentified thermal power plant with high-pressure boilers and turbines. According to plans, three evaporators were to be installed for preparing the boiler feed water. However, the output of the evaporators remained at 8 tons/h, while their rated output was supposed to be 11.5 tons/h. Inadequate water purification caused sediment formation on the turbine blades which damaged the rotor. The authors describe some of the modifications which were performed on the boilers during 1957-1958. Based on their observations, the authors arrive at the following conclusions: 1) Providing the required chemical water purification is one of the most important tasks

Card 1/2

SOV/91-59-11-3/27

The Adjustment of the Water Circulation of a High Power Plant

when starting the operation of new thermal power plants. The equipment must be in good condition which will greatly reduce the time required for operational adjustments. 2) All deficiencies connected with the water supply must be eliminated during the temporary trial operation. The power plant should be accepted for industrial operation only after the chemical water purification process has been adjusted. 3) The evaporators must be designed for replacing considerable losses of boiler water during the period of operational adjustments. 4) The authors recommend the application of new and more effective methods for preventing that iron and copper oxides are transferred to the turbines. The use of evaporators is less reliable than the application of chemical water purification, since the full output of evaporators cannot be obtained during the period of operational adjustments. 5) During the period of operational adjustments a step by step evaporation is advisable. There are 3 diagrams and 2 tables.

Card 2/2

LOBANCHENKO, N.G., inzh.; GUSEYNOV, M.Kh., inzh.; FRUMEN, B.V., inzh.

Experience in constructing and operating an open electric power
plant. Elek.sta. 32 no.8:14-19 Ag '61. (MIRA 14:10)
(Electric power plants)

KRYLOV, Nikolay Nikolayevich; ~~LOBANOVSKIY~~, Pavel Iosifovich;
MEN, Solomon Abramovich; GROMOV, L.I., red.; GAVRILOV, S.S.,
tekhn.red.

[Descriptive geometry] Nachertatel'naya geometriia. Pod red.
N.N.Krylova. Moskva, Gos.izd-vo fiziko-matem.lit-ry, 1959.
367 p. (MIRA 13:1)

(Geometry, Descriptive)

KRYLOV, Nikolay Nikolayevich; LOBANDIYEVSKIY, Pavel Ionifovich
[deceased]; MEN, Solomon Abramovich

[Descriptive geometry] Nachertatel'naia geometriia. Izd.2.
perer. i dop. Moskva, Vysshaya shkola, 1963. 360 p.
(MIRA 17:6)

KRYLOV, Nikolay Nikolaevich; [deceased]; MEL, Solomon Abramovich,

[Descriptive geometry] Nachertatel'naya geometriya. Izd. 3.
perer. i dop. Moskva, Vysshaya shkola, 1965. 360 p.
(MIRA 18.3)

"APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R000930320004-0

APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R000930320004-0"

LOBANEVA, O.A.

USSR/Inorganic Chemistry. Complex Compounds.

C

Abs Jour : Referat. Zhurnal Khimiya, No 6, 1957, 18861

Author : S.A. Shchukarev, O.A. Lobaneva.

Inst : Leningrad University

Title : Concerning Application of Spectrophotometry as
Method of Studying Complex Formation in Solutions.

Orig Pub : Vestn. Leningr. Un-ta, 1956, No 16, 64-73.

Abstract : The methods of Ostromyslenskiy-Zhob, Vosborgh and Cooper (Vosborgh W.C., Cooper, G.R., J. Amer. Chem. Soc., 1941, 63, 437), Bent and French (Bent H.E., French C.L., J. Amer. Chem. Soc., 1941, 63, 568) of the spectrophotometric study of complex formation in solutions and Bjerrum's method of formation function were discussed. In the opinion of the authors, the last method is more advantageous than the first three, because it can be used at a simultaneous formation of several complexes in the solution and allows to establish their distribution. A combined spectrophoto-

Card 1/2

-34-

LOVANSOVA, G.I., *Soviet Chem. Sci.* -- (disc) "The electrochemical study of the stability of complex halides of cobalt in solutions."

Len, 1959, 16 pp. with graphs (Len Order of Lenin St. 1, 1959)
A. A. Zhidnev), 150 copies (M, 39-52, 1959)

SHCHUKAREV, S.A.; LOBANEVA, O.A.; IVANOVA, M.A.; KONONOVA, M.A.

Spectrophotometric study of complex palladium (II) chlorides in
aqueous solutions. Vest.LGU 16 no.10:152-155 '61. (MIRA 14:5)
(Palladium compounds) (Spectrophotometry)

SHCHUKAREV, S.A.; LOBANEVA, O.A.

~~and~~ spectrophotometric study of complex cobalt bromides in alcohol solutions. Zhur.neorg.khim. 6 no.4:804-808 Ap '61.

(MIRA 14:4)

(Cobalt compounds--Spectra)

SIBIRSKAYA, N.A.; I. BAKOVA, N.A.; IVANOVA, N.A.; K. KROVA, N.A.

Spectrophotometric study of complex formation (II) of copper in
aqueous solution. Part 2. Vest. IZh. 12. 1970. 140-142. 1970.
(USSR 17.11)

SHCHUKAREV, S.A.; LOBANEVA, O.A.; IVANOVA, M.A.; KONOHOVA, M.A.

Formation constants of complex divalent palladium bromides. Zhur.
neorg. khim. 9 no.12:2791-2792 D '64.

(MIRA 18:2)

1. Leningradskiy gosudarstvennyy universitet, kafedra neorganiches-
skoy khimii.

SHCHUKAREV, S.A.; LOBANEVA, O.A.; KONONOVA, M.A.

Formation constants of complex palladium (II) iodides. Vest.
LGU 20 no.4:149-150 '65. (MIRA 18:4)